Philips 9000 series
LCD TV with Ambilight Spectra 2 and Perfect Pixel HD Engine

32"
integrated digital

32PFL9613D

Excite your senses

Immerse yourself in a captivating Ambilight experience. Featuring Perfect Pixel HD Engine, this TV combines Perfect Motion Sharpness, 2250 trillion Colours and Perfect Contrast with Ambilight Spectra 2 — lighting up your viewing experience

Elevate your viewing experience
- Ambilight Spectra 2 enhances the viewing experience

Breathtaking perfect pictures
- Perfect Pixel HD Engine for unrivalled sharpness and clarity
- HD ready 1080p for highest quality display of Full HD images
- Perfect Natural Motion for ultra-smooth Full HD movies
- 100Hz Clear LCD, 2ms performance for superb motion sharpness
- 2250 trillion colours processing
- Dynamic contrast 55000:1 for incredible rich black details

Easy to connect and enjoy
- DLNA PC network link to browse PC and Home network content
- 4 HDMI inputs with Easylink for a full HD connection

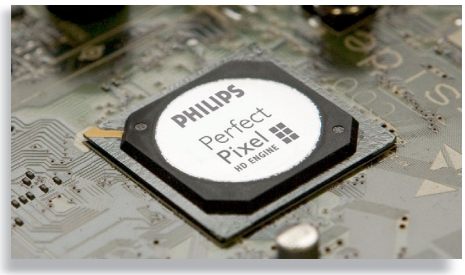
Ready for digital
- Integrated Digital Tuner for DVB-T reception

PHILIPS
sense and simplicity

Product highlights

Ambilight Spectra 2
Add a new dimension to your viewing experience with Ambilight Spectra 2. This patented Philips technology enlarges the screen further by projecting a glow of light from the back of the screen onto the surrounding wall. Ambilight adjusts automatically the colour and brightness of the light surrounding the TV to match with the picture, creating an immersive viewing experience. With Ambilight Spectra 2 movies truly come to life!

Perfect Pixel HD Engine



Perfect Pixel HD Engine offers the unique combination of ultimate sharpness, natural detail, vivid colours and smooth natural motion on all qualities of HD, standard TV signals and multimedia content, for high definition displays. Each pixel of the incoming picture is enhanced to better match the surrounding pixels, resulting in a more natural picture. Artefacts and noise in all sources from multimedia to standard TV and also in highly compressed HD content are detected and reduced ensuring that the picture is clean and razor sharp.

Full HD LCD display 1920x1080p
Enjoy the exceptional picture quality of Full High Definition TV signals of HD sources like HDTV broadcast, or Blu-ray DVD. HD ready 1080p is a protected label that offers picture quality far beyond that of ordinary HD Ready. It conforms to strict standards laid out by EICTA to offer a Full HD screen that displays the benefits of resolution and picture quality of a Full HD 1920x1080p High Definition TV signal. It has a universal connection for both analogue YPbPr and uncompressed Digital connection of DVI or HDMI, supporting HDCP. It can display 1080p progressive signals at 24, 50 and 60Hz.

Perfect Natural Motion
Philips invented Perfect Natural Motion to eliminate juddering effects that are visible with movie-based picture content. Perfect Natural Motion estimates motion in the picture and corrects juddering movements in both broadcast and recorded movie material (such as DVD and Blu-ray Disc). Perfect Natural Motion results in even smoother and quieter pictures with excellent sharpness. Perfect Natural Motion removes judder from SD and HD pictures, including 1080p movies and 24p True Cinema, for a motion performance that surpasses the cinema!

100Hz Clear LCD (2ms)
100Hz Clear LCD creates extreme motion sharpness for clear and vibrant images even with fast on-screen motion. The Double Frame Rate Insertion works with a high 100Hz refresh rate. It increases the sharpness of motion reproduction to more than twice that of conventional LCD, resulting in performance with a response time of 2 milliseconds (measured in Perceived Blur-Edge-Width; BEW). This unique Philips technology brings motion sharpness of LCD displays to an unprecedented level.

2250 trillion colour processing
Vibrant and natural images from most advanced colour processing. The 17 bit colour booster optimises each of the 3 colour channels (RGB), a total processing power of 2250 trillion colours. It produces more vibrant colours while retaining excellent sharpness. The advanced algorithms detect skin tones and subtle colour shades, and processes these to give most natural colours.

Dynamic contrast ratio 55000:1
You want the LCD flat display with the highest contrast and most vibrant images. Philips advanced video processing combined with unique extreme dimming and backlight-boosting technology results in vibrant images. Dynamic Contrast will increase the contrast with excellent black level and accurate rendition of dark shades and colours. It gives a bright, lifelike picture with high contrast and vibrant colours.

4 HDMI inputs with EasyLink
EasyLink uses the HDMI CEC industry standard protocol to share functionality between connected devices and the TV. With Easylink only one remote control is needed to operate main functionalities on your TV and connected devices. HDMI makes an uncompressed digital RGB connection from the source to the screen for the ultimate picture quality. HDMI uses HDCP copy protection. With 3 HDMI inputs on the back and 1 HDMI on the side of the TV you can connect multiple HD sources, for instance an HD set-top box, a Blu-ray player, and Game Console or Digital Camcorder.

LCD TV with Ambilight Spectra 2 and Perfect Pixel HD Engine
32" integrated digital

32PFL9613D/10

Specifications

Picture/Display
- Aspect ratio: Widescreen
- Brightness: 500 cd/m²
- Dynamic screen contrast: 55000:1
- Response time (typical): 2 (BEW equiv.) ms
- Viewing angle: 176° (H)/176° (V)
- Diagonal screen size: 32 inch / 80 cm
- Display screen type: LCD Full HD W-UXGA Act. matrix
- Panel resolution: 1920 x 1080p
- Picture enhancement: Perfect Pixel HD Engine, Perfect Natural Motion, Perfect Contrast, 3/2 - 2/2 motion pull down, 3D Combfilter, Active Control + Light sensor, 100Hz Clear LCD, Jagged Line Suppression, Progressive Scan, 1080p 24/25/30 Hz processing, 1080p 50/60 Hz processing
- Screen enhancement: Anti-Reflection coated screen
- Colour processing: 2250 trillion colours 17bit RGB

Ambilight
- Ambilight Features: Ambilight Spectra 2, Lounge light mode
- Dimming Function: Manual and via Light Sensor
- Ambilight light system: LED-wide colour

Supported Display Resolution
- Computer formats

Resolution	Refresh rate
640 x 480	60 Hz
800 x 600	60 Hz
1024 x 768	60 Hz
1280 x 768	60 Hz
1360 x 768	60 Hz
1920 x 1080i	60 Hz
1920 x 1080p	60 Hz

- Video formats

Resolution	Refresh rate
480i	60 Hz
480p	60 Hz
576i	50 Hz
576p	50 Hz
720p	50, 60 Hz
1080i	50, 60 Hz
1080p	50 Hz, 60 Hz
1080p	24 Hz, 25 Hz, 30 Hz

Sound
- Output power (RMS): 2 x 15 W
- Sound Enhancement: Auto Volume Leveller, Digital Signal Processing, Dynamic Bass Enhancement, Graphic Equaliser, Smart Sound
- Sound System: Virtual Dolby Digital, BBE

Loudspeakers
- Built-in speakers: 2
- Loudspeaker types: 2 integrated subwoofers, Dome tweeter

Convenience
- Child Protection: Child Lock+Parental Control
- Ease of Installation: Auto Programme Naming, Automatic Channel Install (ACI), Automatic Tuning System (ATS), Autostore, Fine Tuning, PLL Digital Tuning, Plug & Play
- Ease of Use: 4 favourite lists, Auto Volume Leveller (AVL), Delta Volume per preset, Graphical User Interface, On-Screen Display, Programme List, Settings assistant Wizard, Side Control
- Electronic Programme Guide: Now + Next EPG, Eight day Electronic Programme Guide
- Picture in Picture: Text dual screen
- Remote Control: Universal
- Remote control type: RC4492
- Screen Format Adjustments: 4:3, Auto Format, Movie expand 14:9, Movie expand 16:9, Subtitle and Heading Shift, Super Zoom, Widescreen, unscaled (1080p dot by dot)
- Teletext: 1200 page Hypertext
- Teletext enhancements: Habit Watch, Programme information Line
- Firmware upgradeable: Firmware auto upgrade wizard, Firmware upgradeable via USB
- Multimedia: Digital media reader (browser), USB autobreak-in
- Smart mode: Game, Film, Personal, Energy saving, Standard, Vivid

Multimedia Applications
- Multimedia connections: USB
- Playback Formats: MP3, Slideshow files (.alb), JPEG Still pictures, MPEG1, MPEG2

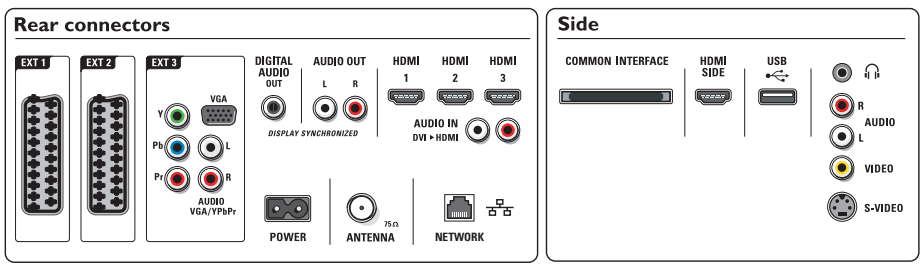
Tuner/reception/transmission
- Aerial Input: 75 ohm coaxial (IEC75)
- TV system: DVB COFDM 2K/8K
- Video Playback: NTSC, SECAM, PAL
- DVB: DVB Terrestrial*
- Tuner bands: Hyperband, S-Channel, UHF, VHF

Connectivity
- Ext 1 Scart: Audio L/R, CVBS in/out, RGB
- Ext 2 Scart: Audio L/R, CVBS in/out, RGB
- Ext 3: YPbPr, Audio L/R in, VGA PC-in
- Ext 4: HDMI v1.3
- Ext 5: HDMI v1.3
- Ext 6: HDMI v1.3
- EasyLink (HDMI-CEC): One touch play, System audio control, System standby
- Front/Side connections: HDMI v1.3, S-video in, CVBS in, Audio L/R in, Headphone out, USB
- PC network link: DLNA certified
- Other connections: Analogue audio Left/Right out, S/PDIF out (coaxial), Common Interface

Electricity
- Ambient temperature: 5°C to 35°C
- Mains power: AC 220 - 240 V +/- 10%
- Power consumption: 139 W
- Standby power consumption: 0.15 W

Dimensions
- Set dimensions (W x H x D): 828 x 543 x 109 mm
- Set dimensions with stand (H x D): 594 x 220 mm
- Weight incl. Packaging: 23.7 kg
- Product weight: 16.3 kg
- Product weight (+stand): 19.2 kg
- Box dimensions (W x H x D): 1000 x 740 x 288 mm
- Colour cabinet: High gloss decofront with black back cover
- VESA wall mount compatible: 200 x 200 mm

Accessories
- Included Accessories: RF antenna cable, Power cord, Quick start guide, User manual, Warranty certificate, Remote Control, Batteries for remote control



Issue date 2009-01-26
Version: 1.0.8
12 NC: 8670 000 34192
EAN: 87 12581 36569 1

© 2009 Koninklijke Philips Electronics N.V.
All Rights reserved.
Specifications are subject to change without notice. Trademarks are the property of Koninklijke Philips Electronics N.V. or their respective owners.

www.philips.com